Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/03/2020 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126902	1	3.76	126906	3.78
Blue	F	SSC	125000	124506	-1	1.67	125287	1.62
Blue	E	FITC	15892	15445	-3	3.13	335	21.36
Blue	D	PE	29999	29421	-2	2.22	641	15.78
Blue	B	PerCP-Cy5-5	43732	44000	0	4.10	1177	22.22
Blue	A	PE-Cy7	30845	30914	0	6.93	587	45.59
Red	C	APC	46112	45235	-2	2.39	1605	12.13
Red	A	APC-Cy7	30458	29456	-4	2.33	781	12.24
Violet	B	V450	7918	7567	-5	4.80	426	13.18
Violet	A	V500	32171	31264	-3	4.72	726	10.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17079	22.92	664	43	N/A	N/A	Pass
Blue	F	SSC	56731	1.30	592	33	N/A	N/A	Pass
Blue	E	FITC	61	68.96	558	15	0.0179	174	Pass
Blue	D	PE	133	53.63	565	17	0.1418	279	Pass
Blue	B	PerCP-Cy5-5	214	54.98	676	20	0.0076	68	Pass
Blue	A	PE-Cy7	108	117.05	722	24	0.0089	27	Pass
Red	C	APC	382	25.48	588	4	0.0243	163	Pass
Red	A	APC-Cy7	171	28.83	560	4	0.0052	671	Pass
Violet	B	V450	65	58.41	463	5	0.0508	1870	Pass
Violet	A	V500	109	32.06	479	5	0.0250	664	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/03/2020 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.17	-31.85	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	15.42	13.60 - 20.40	N/A	N/A	29.37	29.66	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9917

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments